

Methodology :

Location: Mountain View

I extracted the forecasted temperature data of around 13-14 days using the scheduling script from Assignment 4, then I extracted the actual temperature data using URL provided in Project description. Using Element Tree package (which finds the root and different objects using their tags) in the script I pulled the temperature values from XML files for every 3 hours. The **Glob module** which finds all the pathnames matching a specified pattern according to the rules used by the Unix shell was used. **IZip package** was used which returns an iterator that combines the elements of several iterators into tuples. Then I compared both actual and predicted data and outputted them into CSV files. The time lags I took were like 3 hours prediction, 6 hours, 12 hours, 48 hours prediction, etc. as suggested in the project description. Using those CSV files I plotted the comparison graphs.

Both the scripts are included in the folder.